

Amendments to the Specification:

Please insert the following paragraph after the paragraph beginning at page 3, line 13:

FIG. 4 illustrates an examples of an amplifying gain stage circuit, which corresponds to the gain stage of FIG. 3B.

Please replace the paragraph beginning at page 7, line 12, with the following amended paragraph:

Referring now to FIG. 4, illustrated therein is one example of an amplifying gain stage circuit 400, which corresponds to element ~~419~~ 319 in FIG. 3(b). The circuit 400 comprises an operational amplifier (op-amp) 401 with corresponding frequency shaping and feedback components 402. The op-amp stage 401,402 is followed by two pairs of power transistors 403,404 coupled in a push-pull configuration. The power transistors 403,404 are capable of sourcing and sinking large amounts of current in response to the op-amp 401 to drive a load.